

ABSTRACT OF THE DISCLOSURE

An image reading device of the present invention includes a light irradiation device that moves and scans a document while irradiating the light on the document table, a color CCD sensor which reads the reflecting light of the light from the light irradiating device and photoelectric converts it into plural color signals, and a correction device which executes the shading correction of plural color signals that are photoelectric converted by the color CCD sensor and at the same time, executes the color balance correction and the stray light correction. Further, at the same time with the shading correction executed using white document data comprising R, G, B signals of a white document in color equipment to the shading correction plate that are read and photoelectric converted by the color CCD sensor as desired values for the shading correction, this image reading device executes the color balance correction and the stray light correction. Further, this image reading device corrects the uneven density with the correction device by executing the color balance correction using uniform density image data obtained by reading a uniform density image document H placed on the document table at plural measuring points in the sub-scanning direction J1-J3, K1-K3 and L1-L3 as

desired values for the color balance correction.

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